

## PATENT ABSTRACTS OF JAPAN

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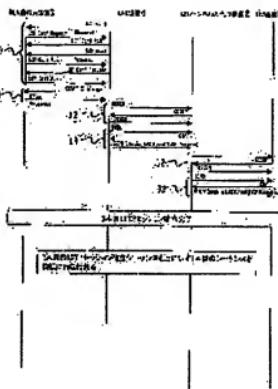
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## (54) TUNNEL COMMUNICATION METHOD

## (57)Abstract:

**PROBLEM TO BE SOLVED:** To provide a tunnel communication method by which the number of performing PPP LCP authentication sequence between a subscriber terminal equipment which constructs an L2TP network and an LNS (L2TP network server) is reduced, in establishing a bulk communication by a multilink protocol of an L2TP (layer 2 tunneling protocol) session.

**SOLUTION:** In the L2TP network comprising the subscriber terminal equipment, an LAC (L2TP access concentrator) device, an L2TP tunnel switch device, and the LNS (L2TP network server) device, the L2TP tunnel switch device transmits parameters of a PPP LCP and a PPP authentication received from the LAC device by a proxy authentication/LCP (link control protocol) function to the LNS device by an AVP (attribute value pair) within a sequence signal of a session establishment protocol between the L2TP tunnel switch device and the LNS device, whereby the LNS device establishes the L2TP session between the subscriber terminal equipment and the LNS device.



## LEGAL STATUS

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